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ST ON PE 4038		Kacker, S., et al., "Alternating Copolymers of Functional Alkenes with Carbon Monoxide," Macromolecules, Vol. 29, pp. 5852-5858 (1996), published by American Chemical Society, Washington, D.C.
9.T PRADENTIFE		Jandeleit, B., et al., "Combinatorial Materials Science and Catalysis," Angew. Chem. Int. Ed., Vol. 38, pp. 2495-2532 (1999), published by Wiley-VCH Verlag GmbH, Weinheim, Germany.
27		Portnoy, M., et al., "Solid-Phase Synthesis of an α-Aminophosphine Library," J. Comb. Chem., Vol. 3, pp. 524-527 (2001), published by Americal Society, Washington, D.C.
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